

CONTENTS OF VOLUME 11

Number 1

Opacification: Solving the Fundamental Problems MYRON S. SIMON (USA)	1
The Synthesis, Application and Prediction of Stokes Shift in Fluorescent Dyes Derived from 1,8-Naphthalic Anhydride QIAN XUHONG, ZHU ZHENGHUA & CHEN KONGCHANG (People's Republic of China)	13
Synthesis and Characterization of Deep-Coloured Squarylium Dyes for Laser Optical Recording Media NOBUHIRO KURAMOTO, KAZUKI NATSUKAWA & KATSUYA ASA (Japan)	21
Disperse Dyes Derived from 3-Oxo-2,3-dihydrobenzo[<i>b</i>]thiophene-1,1-dioxide and 3-Dicyanomethylene-2,3-dihydrobenzo[<i>b</i>]thiophene-1,1-dioxide V. U. SHENOY, V. P. PATEL & S. SESADRI (India)	37
Studies on the Synthesis and Solvatochromic Behaviour of Mono- and Tri-methine Cyanines: Methine Cyanine Dyes, Synthesis and Solvatochromism A. I. M. KORAIEM, M. A. EL-MAGHRABY, A. K. KHALAFALLA & H. A. SHINDY (Egypt)	47
Violet to Cyan Azo Dyes Derived from 4-Amino-3-nitrobenzaldehyde as Diazo Component KASALI A. BELLO (Nigeria) & JOHN GRIFFITHS (UK)	65
Short Communication	
Fluorescent Properties of Phthalocyanines TAO SHEN, ZHEN-LI YUAN & HUI-JUN XU (People's Republic of China)	77
321	

Number 2

Syntheses and Properties of Some Deeply Coloured Dichroic Anthraquinone Dyes SHIGEO YASUI, MASARU MATSUOKA & TEIJIRO KITAO (Japan)	81
¹⁵ N NMR Investigation of Azo-Hydrazone Acid-Base Equilibria of FD & C Yellow No. 5 (Tartrazine) and Two Analogs SANDRA J. BELL, EUGENE P. MAZZOLA & BRUCE COXON (USA)	93
Synthesis and Characterization of Two Novel Formazan Dyes YAŞAR GÖK (Turkey)	101
Colour and Constitution Relationships in Organic Pigments. Part 2—Disazoacetoacetanilides ROBERT M. CHRISTIE & PAUL N. STANDRING (UK)	109
The Kinetics of the Hydrolysis and Alcoholytic of some Model Monofluorotriazinyl Reactive Dyes LI XIAO-TU, ZHU ZHENG-HUA & CHEN KONG-CHANG (People's Republic of China)	123
Synthesis of Benzimidazo[1,2- <i>a</i>]-quinolines: Fluorescent Disperse Dyes V. U. SHENOY & S. SESHADRI (India)	137
Von der variantenreichen Chemie des Chinoxalins zu chinoiden und indigoiden Chromophoren. I. Darstellung und Eigenschaften der quartären Salze des 1-substituierten Dimethylchinoxalins und des 1-Methylchinoxalinium-toluol-4-sulfonates D. SCHELZ & N. ROTZLER (Switzerland)	147

Number 3

Disperse and Cationic Dyes from Aminophenyl-X-Azolo-Pyridines PIERO SAVARINO, GUIDO VISCARDI, ROSARINA CARPIGNANO, ERMANNO BARNI & GIOVANNI FERRERO (Italy)	163
¹⁵ N NMR Study of Azo-Hydrazone Tautomerism of Some Water-soluble Dyes KIYOSHI YAMAMOTO, KIYOSHI NAKAI & TOSHIO KAWAGUCHI (Japan)	173
Solvent and Viscosity Effect on the Kinetics of the Thermal <i>cis-trans</i> Isomerization of 3'-Nitro-4-diethylaminoazobenzene BRUNO MARCANDALLI, PIER LUIGI BELTRAME, ERNESTINA DUBINI-PAGLIA & ALBERTO SEVES (Italy)	179
Interaction between Water-Soluble Polymers and Azo Dyes Containing Fluorine Atoms. I. Monoazo Sulphonated Dyes Containing a Trifluoromethyl Group KUNIHIRO HAMADA, SEIJI TAKE & TOSHIRO IIJIMA (Japan)	191

Von der variantenreichen Chemie des Chinoxalins zu chinoiden und indigoiden Chromophoren. II. Darstellung und Eigenschaften der indigoiden Derivate 201
DIETER SCHELZ (Switzerland)

Fluorescence Quenching Studies of the Self-Association in Water of Fluorescent Surfactants. Alkaryl-2-pyrazolines and Alkyl-7-hydroxycoumarins 213
L. E. AICOLINA, I. H. LEAVER & I. W. STAPLETON (Australia)

Low-Temperature Dyeing of Protein and Polyamide Fibres using a Redox System 233
A. BENDAK (Egypt)

Number 4

¹H NMR Study of the Hydrolysis of some Model Pyrimidyl Reactive Dyes 243
TANG WEI, ZHU ZHENG-HUA, CHEN KONG-CHANG,
HE MENG-ZHEN & ZHONG XIN-MAO
(People's Republic of China)

Von der variantenreichen Chemie des Chinoxalins zu chinoiden und indigoiden Chromophoren. III. Synthesen mit 1-Methylchinoxalinium-toluol-4-sulfonat 261
DIETER SCHELZ (Switzerland)

Carrier Dyeing of Polyester Fibre with some Disperse Azo Dyes 269
A. ARCORIA, A. CERNIANI, R. DE GIORGI, M. L. LONGO &
R. M. TOSCANO (Italy)

Study of Some Chemical Properties of Sulfonated Vinylsulfonyl Reactive Dyes . 277
ZHU ZHENG-HUA, CHEN KONG-CHANG, LI JIAN-XIONG,
CHEN SHU-LING & WANG SHOU-LAN (People's Republic of China)

Correlation between Dyeing Rate and Thermodynamic Affinity of Disperse Reactive Dyes 293
MARIA RITA DE GIORGI (Italy)

New Perylene and Violanthrone Dyestuffs for Fluorescent Collectors 303
G. SEYBOLD & G. WAGENBLAST (FRG)

Announcement 319

